Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/23/2022 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123130	-2	4.73	123115	4.67
Blue	F	SSC	125000	124876	-1	5.03	125512	4.91
Blue	E	FITC	13602	13055	-5	5.02	366	14.54
Blue	D	PE	24891	24482	-2	4.90	581	11.71
Blue	B	PerCP-Cy5-5	33972	33299	-2	5.53	952	16.10
Blue	A	PE-Cy7	22865	22542	-2	7.48	466	32.39
Red	C	APC	47198	46610	-2	4.29	1611	12.03
Red	A	APC-Cy7	26454	25626	-4	5.16	723	13.16
Violet	B	V450	6737	6374	-6	6.32 (1)	447	13.31
Violet	A	V500	29317	28037	-5	6.10	959	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23591	5.45	544	9	N/A	N/A	Pass
Blue	F	SSC	55085	4.78	522	1	N/A	N/A	Pass
Blue	E	FITC	54	54.62	491	7	0.0393	56	Pass
Blue	D	PE	112	41.82	495	9	0.4105	382	Pass
Blue	B	PerCP-Cy5-5	147	43.18	589	10	0.0183	65	Pass
Blue	A	PE-Cy7	76	83.92	634	13	0.0204	1	Pass
Red	C	APC	334	26.81	576	4	0.0280	221	Pass
Red	A	APC-Cy7	132	37.41	554	3	0.0064	1796	Pass
Violet	B	V450	74	52.46	447	-3	0.0479	2400	Pass
Violet	A	V500	111	35.15	467	-2	0.0240	1274	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/23/2022 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.54	-31.22	1.15
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.37	13.90 - 20.86	N/A	N/A	29.67	29.88	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12782

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments